

IN THE SPECIFICATION:

Pursuant to 37 C.F.R. §§ 1.121 and 1.125 (as amended to date) please enter the substitute specification in clean form and including paragraph numbers [0001] through [0054], Sequence Listing and Abstract attached hereto as Appendix A. A marked-up substitute specification to clearly identify amendments to the specification as required by 37 C.F.R. § 1.121(b)(3)(iii) is attached hereto as Appendix B. It is respectfully submitted that the substitute specification does not introduce new matter into the above-referenced patent application.

Please also insert the enclosed Sequence Listing after Page 19 of the as-filed Specification.

IN THE CLAIMS:

Claim 18 through 24 have been cancelled. Claims 1, 2, 3, 5, 7, 8, 9, 10, 13, 14, 15, 16, 17, 25, 26, 27, 28, 29, 30, 31, 33 and 35 have been amended herein. All of the pending claims 1 through 17 and 25 through 35 are presented, pursuant to 37 C.F.R. §§ 1.121(c)(1)(i) and 1.121(c)(3), in clean form in Appendix C attached hereto. Please enter these claims as amended. Also attached as Appendix D is a marked-up version of the claims amended herein pursuant to 37 C.F.R. § 1.121(c)(1)(ii).